

# Brightly Beam 2R

## User Manual



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**PLEASE READ THIS MANUAL BEFORE OPERATION**



Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safely and correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction Strictly.



**CAUTION!**

Keep this device away from rain and moisture !



**CAUTION!**

Unplug mains lead before opening the housing.

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

**INTRODUCTION:**

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the box you should find:

1. One DMX Cable
2. One omega clamps
3. User Manual

Please check carefully that there is no damage caused by transportation. Should there be any, consult your dealer and don't install this device.

**Features:**

- Lamp: Philips MSD Platinum 2R, YODN 2R or Osram 2R .
- Color temperature: 5600K
- Channel : 16 DMX Channels
- Pan scan: 540°(16bit) Electric correction
- Tilt scan: 270° (16bit) Electric correction
- Amazing dot matrix ,four tact switch, 180° tuning show
- Color wheel: Color: 13 colors+White
- Gobo: 14 fixed gobos+open
- Effect Wheel:Rotatable eight prism,effect move , frost
- 0-100% mechanical dimming, mechanical dimming and free dimming available.
- strobe macro control available.
- Lens optical system mechanical focus .beam angle 0~3.8°
- Over heat protection
- Power: 100-240V, 50/60Hz
- Consume power: 150W
- IP level :IP20
- Magnetic ballast and AC/Dc power supply
- Product Size: 33×32×42cm
- Packing Size: 370X360X470mm
- Net Weight: 11.5KG

## Overview



Front View



Back View



### CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



#### *Important:*

*Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.*

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

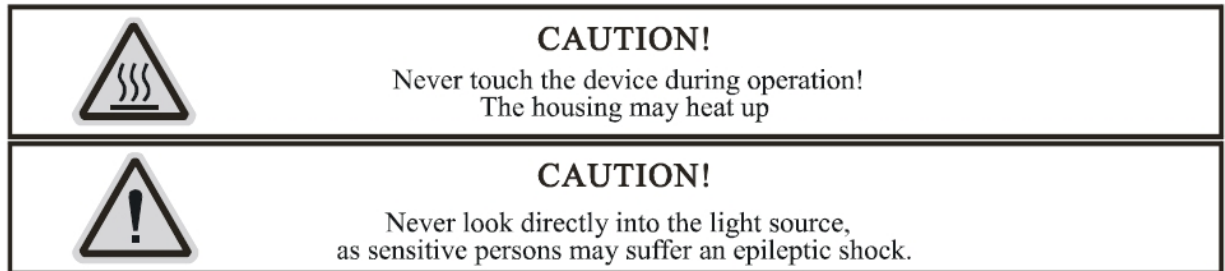
This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person. Make sure that the available voltage is not higher than stated at the end of this manual.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually. Please don't project the beam onto combustible substances.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.

### **GENERAL GUIDELINES**

This device is a lighting effect for professional use on stages, in discotheques, theatre, etc., the device was designed for indoor use only.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual.

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 5 meter.



If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

For safety reasons, please be aware that all modifications on the device are forbidden.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc.

### Installing or replacing the lamp:

	<b>CAUTION!</b> Only install the lamp with the device unplugged from the mains.
	<b>CAUTION!</b> The lamp has to be replaced when it is damaged or deformed.

Before replacing the lamp let the lamp cool down, because during operation, the lamp can reach very high temperature.

During the installation of halogen lamps do not touch the glass bulbs bare handed. Always use a cloth to handle the lamps during insertion and removal. Do not install lamps with a higher wattage. They generate higher temperatures than which the device was designed for.

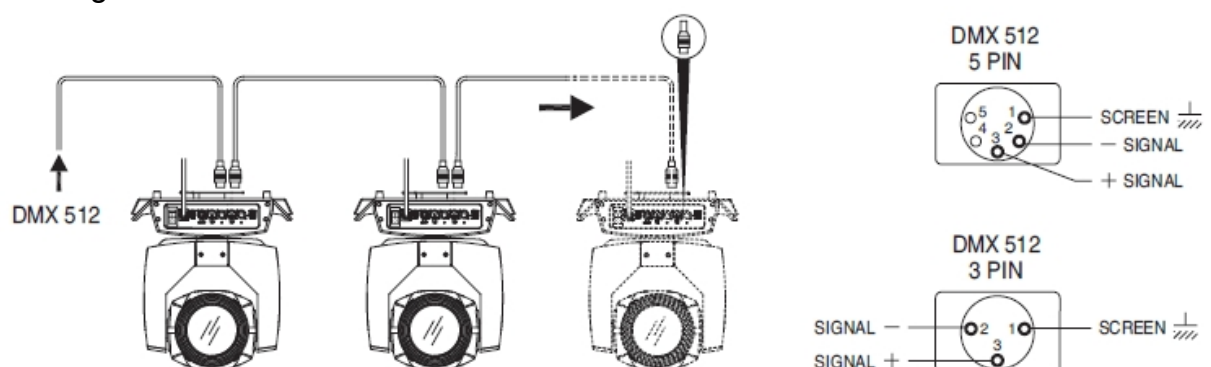
For safety reasons, please be aware that all modifications on the device are forbidden.

### DMX-512 control connection

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other

side to the male 3-pin XLR input of the moving head. You can chain multiple

Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below:







## Menu



### Menu Function:

<b>ESC</b>	EXIT/RETURN TO MENU
<b>UP</b>	Data up
<b>DOWN</b>	Data down
<b>ENTER</b>	Confirm function
<b>DMX</b>	DMX Signal LED Indicator
<b>AUDIO</b>	Audio Control LED Indicator

### Menu Description

-  Set DMX address  
001 for setting the products' DMX address cord  
This function is used to set or adjust the fixture's starting DMX address. Every device controlled by DMX has to have a unique starting address. The addressing feature is what allows DMX to function properly. The DMX address of a fixture is what allows it to communicate with a controller properly.
-  Reverse Display  
In this function, you can set the display reverse
-  Autorun/Sound Control  
You can run the light by Auto mode or Sound mode, push "Enter" button twice by confirm.
-  Sound Control Set  
You can set the Sound Control OFF/ON



5. Rotation Pan

This function allows you to invert all pan movements. Use the Up and Down buttons to turn this function On or Off. Press the Enter button to accept the change or the Mode button to cancel and return to the main menu.



6. Rotation Tilt

Tilt Reverse - This function allows you to invert all tilt movements. Use the Up and Down buttons to turn this function On or Off. Press the Enter button to accept the change or the Mode button to cancel and return to the main menu.



7. Reset

The reset function returns a motor to the “Home” position. The light will be restart.



**DMX channel's functions and their values (16 DMX channels):**

DMX Channel	DMX Value	Description
1 Color Wheel	0-3	White color
	4 ~ 11	Color 1
		Color 1 + Color 2
		Color2
		Color2+Color3
		Color3
		Color3+Color4
		Color4
		Color4+Color5
		Color5
	12 ~ 15	Color5+Color6
	16-19	Color6
	20-23	Color6+Color7
	24-27	Color7
	28-31	Color7+Color8
	32-35	Color8
	36-39	Color8+Color9
	40-43	Color9
	44-47	Color9+Color10
	48-51	Color10
	52-55	Color10+Color11
	56-59	Color11
	92-95	Color11+Color12
	96-99	Color12
	100-103	Color12+Color13
	104-107	Color13
	108-127	Color12+White
	128-191	Reverse effect from slow to fast
	192-255	Clockwise effect from slow to fast
2 Strobe	0-50	White
	51-240	Strobe from slow to fast
	241-255	White
3 Dimmer	0-255	0%~100% dimmer
4 Gobo	0-7	White
	8 ~ 15	Gobo 1
	16-23	Gobo 2
	24-31	Gobo 3
	32-39	Gobo 4
	40-47	Gobo 5

	48-55	Gobo 6
	56-63	Gobo 7
	64-71	Gobo 8
	72-79	Gobo 9
	80-87	Gobo 10
	88-95	Gobo 11
	96-103	Gobo 12
	104-111	Gobo 13
	112-127	Gobo 14
	128-191	Reverse effect from fast to slow
	192-255	Clockwise effect from slow to fast
5 Prism	0-19	White
	20-255	Prism
6 Prism Rotate	0-127	Empty
	128-191	Prism reverse rotate from slow to fast
	192-255	Prism clockwise rotate from slow to fast
7 Frost	0-255	0-100% Frost
8 X.Y Speed	0-255	From fast to slow
9 Focus	0-255	0-100% Focus
10 X	0-255	540 Degree
11 X Fine	0-255	1.8 Degree
12 Y	0-255	260 Degree
13 Y Fine	0-255	1.8 Degree
14 Gobo Shaking	0-1	Stop
	2-191	Self-test
	192-255	static
15 Reset	0-254	Empty
	255	Reset
16 Lamp	0-99	Empty
	100-105	Close
	106-199	Open
	200-205	Close
	206-255	Open

## **CLEANING AND MAINTENANCE**

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.



### **CAUTION!**

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) To make sure the smooth gobo rotation, we suggest adding proper lube to the wheel each three month, avoiding the excessive lube splashes during the gobo rotating.
- 4) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

## **TECHNICAL SPECIFICATIONS:**

Power supply: AC 100V-240V~, 50Hz/60Hz

Power consumption: 150W

Net weight: 11.5KGS

Gross weight: 13 KGS